
1/34/2 (Item 1 from file: 347)

05196097 **LIQUID DETERGENT COMPOSITION**

Pub. No.: 08-151597 [JP 8151597 A]

Published: June 11, 1996 (19960611)

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Application No.: 06-294610 [JP 94294610]

Filed: November 29, 1994 (19941129)

International Class: [6] C11D-003/12; A61K-007/00; A61K-007/50

JAPIO Class: 14.6 (ORGANIC CHEMISTRY -- Liquid Fuel, Oils & Fats); 14.4 (ORGANIC CHEMISTRY -- Medicine)

ABSTRACT

PURPOSE: To obtain a liquid detergent composition, having a favorable viscosity and good liquidity without causing the stringiness, etc., in taking out thereof from a container in use by blending a clay mineral having specific properties therein.

CONSTITUTION: This liquid detergent composition contains (A) 0.01-2.9 wt.% clay mineral having 10-5000nm average particle diameter according to a dynamic light scattering method, ≥ 30 mV absolute value of ξ -potential according to an electrophoretic light scattering method and $\geq 90\%$ purity according to a powder X-ray diffractometry and (B) 6.0-90wt.% at least one surfactant selected from anionic and nonionic surfactants.

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1/34/3 (Item 1 from file: 351)

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WPI Acc No: 1996-329653/199633

Liq. detergent compsns. contg. clay minerals for body or

household use - contg. anionic and nonionic surfactants and clay minerals

Patent Assignee: LION CORP (LION)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8151597	A	19960611	JP 94294610	A	19941129	199633 B

Priority Applications (No Type Date): JP 94294610 A 19941129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8151597	A		7	C11D-003/12	

Abstract (Basic): JP 8151597 A

Compsns. contain (AO 0.01-2.9 wt.% of a clay mineral(s) having an average particle size, measured by dynamic light scattering method, of

10-5000 nm, an absolute value of the zeta potential, measured by the electrophoresis light scattering method, of at least 30 mV and a purity, a measured by powder X-ray diffraction, of at least 90% and (B) 6.0-0.90 wt.% of at least one of anionic and nonionic surfactants. Pref. (A) is of the Li, Na or K type. Alternatively, (A) is a mineral substd. with a polyvalent metal ion(s). Pref. the ion is an alkaline earth metal ion(s). Pref. in the mineral substd. with the ion, at least 40 equiv. % of exchangeable cations of the original mineral are substd. with the polyvalent ion(s).

Minerals include montmorillonite, beidellite, nontronite, saponite, hectorite, sauconite, stevensite, smectite and swelling mica.

USE/ADVANTAGE - The compsns. may be used for clothes, kitchenware, windows, bathrooms, baths, toilet bowls, houses and body, face and hair.

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Derwent Class: D21; D25

International Patent Class (Main): C11D-003/12

International Patent Class (Additional): A61K-007/00; A61K-007/50

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